

Database of Steel and Alloy (Marochnik)

splat.kharkov.com/en

[Home](#) [European steel grades](#) [Steel and Alloy](#) [Search](#) [Equivalent grades](#) [Grading](#) [GOST Standard](#) [Contacts](#)

YOU HERE: [Steel and Alloy](#) -> [Tool steel](#)

Characteristics for grade 9KH2 (9X2).

Grade :	9KH2 (9X2)
Substitute:	9X1
Classification :	Tool steel for roller
Equivalent grades:	Go here

Chemical composition in % for grade 9KH2 (9X2)

C	Si	Mn	Ni	S	P	Cr
0.85 - 0.95	0.25 - 0.5	0.2 - 0.7	max 0.5	max 0.03	max 0.03	1.7 - 2.1

Temperature of critical points for grade 9KH2 (9X2).

$Ac_1 = 756$, $Ac_3(Ac_m) = 783$

Technological properties for grade 9KH2 (9X2)

Weldability:	is not used.
Flakes :	predisposed
Temper brittleness:	predisposed

Equivalent steels for grade 9KH2 (9X2)

Warning! Indicated both exact and nearest equivalents.

USA	Germany	France	England
-	DIN,WNr	AFNOR	BS
L3	1.2067	Y100C6	BL3

Specification :

Weldability :

- without limitations** - welding is done without heating and subsequent heat treating
- limited weldability** - welding is possible under heating up to 100-120 grade and subsequent heat treating
- hard weldability** - obtaining the quality welding needs the additional operations: heating up to 200-300 grade; the heat treating is annealing

Database of steels and alloys (Marochnik) contains information about chemical composition and properties more than 2500 steels and alloys (stainless steel, alloy steel, carbone steel, structural steel, tool steel, cast iron, aluminum alloy, titanium alloy, copper alloy, nickel alloy, magnesium alloy and others).
Helpfull for specialists in grade technology, structural engineer, mechanical engineer, metallurgy and metal trader

[Top](#)

© 2003 - 2013 All rights reserved. [About program.](#)

The entire risk as to use of the Database of Steel and Alloy (Marochnik) content is assumed by you the user

